



AES Warrior Run, Inc. 11600 Mexico Farms Road, SE Cumberland, MD 21502 301-777-0055

February 22, 2010

Re: CCB Report

Mr. Edward M. Dexter, Administrator Solid Waste Program Maryland Department of the Environment 1800 Washington Blvd. Baltimore, MD 21230-1719

Mr. Dexter,

Please find the enclosed CCB report for AES Warrior Run, LLC. We have completed the report as required and included applicable attachments.

If there are any questions about this report please do not hesitate to contact us.

Regards,

Larry Cantrell
Plant Manager

AES Warrior Run

Sarry Cantell

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Land Management Administration • Solid Waste Program
1800 Washington Boulevard • Suite 605 • Baltimore, Maryland 21230-1719
410-537-3375 • 800-633-6101 x3375 • www.mde.state.md.us

Coal Combustion Byproducts (CCB) Annual Generator Tonnage Report

Instructions for Calendar Year 2009

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts that were managed in the State of Maryland during calendar year 2009. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form.

L. Background. This requirement that generators of coal combustion byproducts (CCBs) submit an annual report was instituted in the Code of Maryland Regulations COMAR 26.04.10.08, that was promulgated effective December 1, 2008. The regulation requires that any non-residential generator of CCBs submit a report to the Department by March 1 of each year describing the manner in which CCBs generated within the State were managed during the preceding calendar year. Additional information and specific instructions follow. For more detailed information, please refer to COMAR 26.04.10.08.

II. General Information and Applicability.

A. Definitions. Coal combustion byproducts are defined in COMAR 26.04.10.02B as:

- "(3) Coal Combustion Byproducts. (a) "Coal combustion byproducts" means the residue generated by or resulting from the burning of coal.
- (b) "Coal combustion byproducts" includes fly ash, bottom ash, boiler slag, pozzolan, and other solid residuals removed by air pollution control devices from the flue gas and combustion chambers of coal burning furnaces and boilers, including flue gas desulfurization sludge and other solid residuals recovered from flue gas by wet or dry methods. "

A generator of CCBs is defined in COMAR 26.04.10.02B as:

- "(9) Generator.
- (a) "Generator" means a person whose operations, activities, processes, or actions create coal combustion byproducts.
- (b) "Generator" does not include a person who only generates coal combustion byproducts by burning coal at a private residence."
- B. Applicability. If you or your company meet the definition of a generator of CCBs as defined above, you must provide the information as required below. For the purposes of this report, "you" shall hereinafter refer to the generator defined above. Please note that COMAR

Form Number: MDE/WAS/PER.033 Date: February 3, 2010 TTY Users: 800-735-2258 Facility Name: AES Warrior Run

CCB Tonnage Report – 2009

26.04.10.08 requires generators of CCBs to submit an annual report to the Department concerning the disposition of the CCBs that they generated the previous year.

III. Required Information. The following information must be provided to the Department by March 1, 2010:

A. Contact information:		
Facility Name: AES Warrior Run		
Name of Permit Holder: <u>AES Warrior Run LLC</u>		
Facility Address: 11600 Mexico Farms RD SE		
Street	t	
Facility Address: Cumberland City	Maryland State	21502 Zip
County: Allegany		
Contact Information (Person filing report or Enviro	onmental Manager)	
Facility Telephone No.: 301-777-0055	Facility Fax No.: <u>301-777-8772</u>	
Contact Name: <u>Jeff Leaf</u>		
Contact Title: Environmental Manager		
Contact Address: 11600 Mexico Farms RD SE Street		
Contact Address: Cumberland City	Maryland State	21502 Zip
Contact Email: jeff.leaf@aes.com		
Contact Telephone No.: <u>301-777-0055 ext.167</u>	_ Contact Fax No.: 301-777-8772	

For questions on how to complete this form, please call Mr. Edward Dexter, Administrator, Solid Waste Program at 410-537-3318.

Form Number: MDE/WAS/PER.033 Date: February 2, 2010 TTY Users: 800-735-2258 Page 2 of 5
Recycled Paper

B. A description of the process that generates the coal combustion byproducts, including the type of coal or other raw material that generates the coal combustion byproducts. If the space provided is insufficient, please attach additional pages:

AES Warrior Run (AES) is an electric co-generation facility located at 11600 Mexico Farms Road, S.E in Cumberland in Allegany County in Maryland. The Facility operates a 180-megawatt coal-fired steam electric cogeneration plant and a 150-ton per day food grade carbon dioxide production plant. The facility consists of an ABB CE coal-fired atmospheric fluidized bed combustion boiler (AFBC) burning bituminous coal and Number 2 fuel oil as a start up fuel.

Selective non-catalytic reduction (SNCR) system provides supplemental control of nitrogen oxides (NOx) to the AFBC boiler design. Sulfur dioxide (SO_2) emissions are controlled by the introduction of limestone into the fluidized bed of the boiler. A bag house controls particulate emissions in the boiler flue gas.

Bed ash is removed at the bottom of the boiler and is loaded into a silo for eventual removal. Fly ash is removed at the bottom of the baghouse, air heater, and boiler backpass sections and is kept segregated from the bed ash in a separate silo. Both flyash and bed ash are mixed with small amounts of service water (to control dusting) and loaded into trucks for disposal off-site.

AES commenced commercial operation on February 10, 2000, and produces electricity for distribution by the Potomac Electric Power Company. The applicable SIC Code for the facility is 4911 - Electric Services

C. The annual volume of coal combustion byproducts generated during the last calendar year, including an identification of the different types of coal combustion byproducts generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format:

Table I: Volume of CCBs Generated for Previous Calendar Year:

Reporting	Volume of CCB Type:	Volume of CCB Type:	Volume of CCB Type:
Year			
	Fly Ash	Bed Ash	Slag Ash
2009	201,906.57	82,471.52	7,352.74

Additional notes:

Slag ash consists of fly ash and bed ash as a mixture. We use the term slag ash to differentiate from the discreet fly ash and bed ash in our system.

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CCB Tonnage Report - 2009

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the coal combustion byproducts or their use that were performed by you or your company during the reporting year. Please attach this information to the report.

NONE

E. Copies of all laboratory reports of all chemical characterizations of the coal combustion byproducts. Please attach this information to the report.

(ATTACHED)

- F. A description of how you disposed of or used your coal combustion byproducts in the last calendar year, identifying:
- (a) The types and volume of coal combustion byproducts disposed of or used (if different than described in Paragraph C above), the location of disposal, mine reclamation and use sites, and the type and volume of coal combustion byproducts disposed of or used at each site:

<u>2009</u>	<u>Fly Ash</u>	<u>Bed Ash</u>	Slag Ash	<u>Type</u>
Carlos Coal	92,053.07	35,503.72	1,222.92	Mine Reclamation
Jackson Mountain Coal	108,436.62	46,860.17	6,129.82	Mine Reclamation
Vindex/Anker Coal	630.19	107.63	0.00	Mine Reclamation
Coastal Drilling	774.04	0.00	0.00	Mine Subsidence
Cumberland Concrete Corp.	12.65	0.00	0.00	Mine Reclamation (MD)

and (b) The different uses by type and volume of coal combustion byproducts:					

Form Number: MDE/WAS/PER.033 Date: February 2, 2010 TTY Users: 800-735-2258 Facility Name: AES Warrior Run

CCB Tonnage Report - 2009

If the space provided is insufficient, please attach additional pages in a similar format. . (Please note that in subsequent years you need only provide the information in Section F for the last calendar year).

G. A description of how you intend to dispose of or use coal combustion byproducts in the next 5 years, identifying:

SAME AS PREVIOUS YEARS

(a) The types and volume of coal combustion byproducts intended to be disposed of used, the location of intended disposal, mine reclamation and use sites, and the type and vol of coal combustion byproducts intended to be disposed of or used at each site:							
and	(b) The different intended uses by type and volume of coal combustion byproducts.						
If the	space provided is insufficient, please attach additional pages in a similar format.						

<u>IV. Signature and Certification</u>. An authorized official of the generator must sign the annual report, and certify as to the accuracy and completeness of the information contained in the annual report:

This is to certify that, to the beany attached documents are tr	est of my knowledge, the information contained in ue, accurate, and complete.	this report and
Sarry Cantrel Signature	Larry Cantrell, Plant Manager 301-777-0055 Name, Title, & Telephone No. (Print or Type)	22-Feb-10
	Larry.Cantrell@aes.com	
	Your Email Address	

Form Number: MDE/WAS/PER.033 Date: February 2, 2010 TTY Users: 800-735-2258 Page 5 of 5



2005 N. Center Avis. Somerset, PA 15501

814/443-167* 314/445-3666 FAX: 814/445-6729

Wednesday, November 25, 2009

Bob Kinney AES - WARRIOR RUN INC 11600 MEXICO FARMS SE CUMBERLAND, MD 21502

Dear Bob Kinney:

Geochemical Testing received 2 sample(s) on 11/18/2009 for the analyses presented in the following report.

Order No.: G0911457

There were no problems with the analyses and all QC data met NELAC, EPA, and laboratory specifications except where noted in the Case Narrative or Laboratory Results.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tim othy W .Bergstresser Director of Technical Services

Timoff W Buy trus



Geochemical Testing

Date: 25-Nov-09

CLIENT:

AES - WARRIOR RUN INC

Project:

Lab Order: G0911457

CASE NARRATIVE

No problems were encountered during analysis of this workorder, except if noted in this report.

Legend:

ND - Not Detected at the Quantitation Limit

J - Indicates an estimated value.

 \boldsymbol{U} - The analyte was not detected at or above the listed concentration, which is below the laboratory quantitation limit.

B - Analyte detected in the associated Method Blank

Q - Qualifier

QL -Quantitation Limit

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

** - Value exceeds Action Limit

H - Method Hold Time Exceeded

MCL - Contaminant Limit



Geochemical Testing

Date: 25-Nov-09

CLIENT:

AES - WARRIOR RUN INC

Client Sample ID: Flyash

Lab Order:

G0911457

Project:

00711737

Sampled By: Client

Lab ID:

G0911457-001

Collection Date: 11/17/2009

Matrix:

FLY ASH

Received Date: 11/18/2009 12:57:07 PM

Analyses	Result	QL (Q Units	DF	Date Analyzed
TOTAL METALS	· · · · · · · · · · · · · · · · · · ·	EPA 60	10		Analyst: JEK
Aluminum	33500	5.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Arsenic	59.9	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Barium	330	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Boron	3.2	2.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Cadmium	1.6	0.1	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Chromium	41.5	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Copper	37.3	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Lead	22.7	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Lithium	59.2	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Manganese	108	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Molybdenum	8.0	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Selenium	7.6	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Silver	< 0.2	0.2	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Zinc	115	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
TOTAL METALS		EPA 74	73		Analyst: GAL
Mercury	1.2	0.010	mg/Kg-dry	1	11/18/2009
TCLP EXTRACTION		EPA 13	11		Analyst: GAK
Extraction Fluid Used	2.0	0		1	11/19/2009
Final pH	10	1.0		1	11/19/2009
Initial pH	12	1.0		1	11/19/2009
pH with water	12	1.0		1	11/19/2009
TCLP, non-volatile	NA	0		1	11/19/2009
TCLP METALS		EPA 74	70		Analyst: JAS
Mercury	< 0.0004	0.0004	mg/L	2	11/24/2009 11:14:00 AM
TCLP METALS		EPA 60	10		Analyst: JEK
Aluminum	0.315	0.100	mg/L	1	11/24/2009 4:22:00 PM
Arsenic	< 0.020	0.020	mg/L	1	11/24/2009 4:22:00 PM
Barium	0.891	0.300	mg/L	1	11/24/2009 4:22:00 PM
Cadmium	< 0.002	0.002	mg/L	1	11/24/2009 4:22:00 PM
Chromium	0.082	0.010	mg/L	1	11/24/2009 4:22:00 PM
Copper	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM
Lead	< 0.020	0.020	mg/L	1	11/24/2009 4:22:00 PM
Manganese	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM
Selenium	0.064	0.020	mg/L	1	11/24/2009 4:22:00 PM
Silver	< 0.005	0.005	mg/L	1	11/24/2009 4:22:00 PM
Zinc	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM

Geochemical Testing

Date: 25-Nov-09

CLIENT:

AES - WARRIOR RUN INC

Client Sample ID: Bed Ash

Lab Order:

G0911457

Project: Lab ID:

G0911457-002

Sampled By: Client Collection Date: 11/17/2009

Matrix:

FLY ASH

Received Date: 11/18/2009 12:57:07 PM

Matrix: FLY ASH			. 11/1/	11/10/2009 12:37:07 1 101		
Analyses	Result	QL (Q Units	ÐF	Date Analyzed	
TOTAL METALS		EPA 60	10		Analyst: JEK	
Aluminum	26100	5.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Arsenic	61.5	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Barium	213	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Boron	16.7	2.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Cadmium	0.9	0.1	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Chromium	41.8	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Copper	24.5	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Lead	5.0	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Lithium	28.7	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Manganese	114	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Molybdenum	5.2	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Selenium	< 1.0	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Silver	< 0.2	0.2	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
Zinc	72.4	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM	
TOTAL METALS		EPA 74	73		Analyst: GAL	
Mercury	< 0.010	0.010	mg/Kg-dry	1	11/18/2009	
TCLP EXTRACTION		EPA 13	11		Analyst: GAK	
Extraction Fluid Used	1.0	0		1	11/19/2009	
Final pH	12	1.0		1	11/19/2009	
Initial pH	11	1.0		1	11/19/2009	
pH with water	11	1.0		1	11/19/2009	
TCLP, non-volatile	NA	0		1	11/19/2009	
TCLP METALS		EPA 74	70		Analyst: JAS	
Mercury	< 0.0004	0.0004	mg/L	2	11/24/2009 11:17:00 AM	
TCLP METALS		EPA 60			Analyst: JEK	
Aluminum	< 0.100	0.100	mg/L	1	11/24/2009 4:26:00 PM	
Arsenic	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM	
Barium	0.655	0.300	mg/L	1	11/24/2009 4:26:00 PM	
Cadmium	< 0.002	0.002	mg/L	1	11/24/2009 4:26:00 PM	
Chromium	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM	
Copper	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM	
Lead	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM	
Manganese	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM	
Selenium	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM	
Silver	< 0.005	0.005	mg/L	1	11/24/2009 4:26:00 PM	
Zinc	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM	



2005 N Center Ave Somerset PA 15501

814/443-1671 814/445-6666 FAX: 814/445-6729

Overburden Analysis Report

Client A E S Warrior Run

Sampled By Client

Analysis Completed 11/19/2009

Description Fly Ash & Bed Ash

Sample		Interval		Soil pH	Total	Suifat e pius	Maximum Potential	Fizz	Neutra- lization	Deficiency or Excess
Number	From	Τo	Description	2:1	Sulfur %	Sulfide Sulfur %	Acidity (1)	Rating (3)	Potential (1)	(1,2)
0-40001			Fly Ash		3.40		106.25	2	194.30	88.05
0-40002			Bed Ash		7.33		229.06	2	202.75	-26.31

Notes: (1) Tons CaCO3/1000 tons overburden.

(2) Negative Number indicates deficiency.

(3) Legend 0=None 1=Slight 2=Moderate 3=Strong

Sample Preparation and Testing Techniques

All samples are top sized at 1/2". The gross samples are divided by riffling. One portion is pulverized to -60 mesh for all acid-base account testing and the other portion is saved for any further testing or examination. All preparation and testing procdures are performed according to the "Overburden Sampling and Testing Manual" as prepared for the Pennsylvania Department of Envitonmental Resources by Energy Center, Inc., T. Bergstresser, D. Noll, J Woodcock.

The maximum potential acidity is calculated from the sulfate plus sulfide sulfurs. Whenever the forms of sulfur are not determined, the total sulfur value is used to calculate the maximum potential acidity.

Robert L. Stull

Director of Coal Services



2005 N Center Ave Somerset PA 15501

814/443-1671 814/445-6666 FAX: 814/445-6729

Wednesday, November 25, 2009

Bob Kinney AES - WARRIOR RUN INC 11600 MEXICO FARMS SE CUMBERLAND, MD 21502

Dear Bob Kinney:

Order No.: G0911457

Geochemical Testing received 2 sample(s) on 11/18/2009 for the analyses presented in the following report.

There were no problems with the analyses and all QC data met NELAC, EPA, and laboratory specifications except where noted in the Case Narrative or Laboratory Results.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Timothy W. Bergstresser

Director of Technical Services

Timoff W Lay has



Geochemical Testing

Date: 25-Nov-09

CLIENT:

AES - WARRIOR RUN INC

Project:

Lab Order:

G0911457

CASE NARRATIVE

No problems were encountered during analysis of this workorder, except if noted in this report.

Legend:

ND - Not Detected at the Quantitation Limit

J - Indicates an estimated value.

 \boldsymbol{U} - The analyte was not detected at or above the listed concentration, which is below the laboratory quantitation limit.

B - Analyte detected in the associated Method Blank

Q - Qualifier

QL -Quantitation Limit

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

** - Value exceeds Action Limit

H - Method Hold Time Exceeded

MCL - Contaminant Limit



Geochemical Testing

Date: 25-Nov-09

CLIENT:

AES - WARRIOR RUN INC

Client Sample ID: Flyash

Lab Order:

G0911457

Sampled By:

Client

Project: Lab ID:

G0911457-001

Collection Date: 11/17/2009

Matrix:

FLY ASH

Received Date:

11/18/2009 12:57:07 PM

Analyses	Result	QL (Q Units	DF	Date Analyzed
TOTAL METALS		EPA 60	10		Analyst: JEK
Aluminum	33500	5.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Arsenic	59.9	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Barium	330	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Boron	3.2	2.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Cadmium	1.6	0.1	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Chromium	41.5	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Copper	37.3	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Lead	22.7	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Lithium	59.2	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Manganese	108	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Molybdenum	8.0	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Selenium	7.6	1.0	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Silver	< 0.2	0.2	mg/Kg-dry	1	11/21/2009 1:28:00 AM
Zinc	115	0.5	mg/Kg-dry	1	11/21/2009 1:28:00 AM
TOTAL METALS		EPA 74	73		Analyst: GAL
Mercury	1.2	0.010	mg/Kg-dry	1	11/18/2009
TCLP EXTRACTION		EPA 13	11		Analyst: GAK
Extraction Fluid Used	2.0	0		1	11/19/2009
Final pH	10	1.0		1	11/19/2009
Initial pH	12	1.0		1	11/19/2009
pH with water	12	1.0		1	11/19/2009
TCLP, non-volatile	NA	0		1	11/19/2009
TCLP METALS		EPA 74	70		Analyst: JAS
Mercury	< 0.0004	0.0004	mg/L	2	11/24/2009 11:14:00 AM
TCLP METALS		EPA 60	10		Analyst: JEK
Aluminum	0.315	0.100	mg/L	1	11/24/2009 4:22:00 PM
Arsenic	< 0.020	0.020	mg/L	1	11/24/2009 4:22:00 PM
Barium	0.891	0.300	mg/L	1	11/24/2009 4:22:00 PM
Cadmium	< 0.002	0.002	mg/L	1	11/24/2009 4:22:00 PM
Chromium	0.082	0.010	mg/L	1	11/24/2009 4:22:00 PM
Copper	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM
Lead	< 0.020	0.020	mg/L	1	11/24/2009 4:22:00 PM
Manganese	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM
Selenium	0.064	0.020	mg/L	1	11/24/2009 4:22:00 PM
Silver	< 0.005	0.005	mg/L	1	11/24/2009 4:22:00 PM
Zinc	< 0.010	0.010	mg/L	1	11/24/2009 4:22:00 PM

Date: 25-Nov-09

Geochemical Testing

Lab ID:

CLIENT: AES - WARRIOR RUN INC Client Sample ID: Bed Ash Lab Order: G0911457

Sampled By: Client Project: **Collection Date:** 11/17/2009 G0911457-002

Received Date: 11/18/2009 12:57:07 PM Matrix: FLY ASH

Analyses	Result	QL (Q Units	DF	Date Analyzed
TOTAL METALS		EPA 60	10		Analyst: JEK
Aluminum	26100	5.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Arsenic	61.5	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Barium	213	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Boron	16.7	2.5	rng/Kg-dry	1	11/21/2009 1:45:00 AM
Çadmium	0.9	0.1	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Chromium	41.8	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Copper	24.5	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Lead	5.0	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Lithium	28.7	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Manganese	114	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Molybdenum	5.2	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Selenium	< 1.0	1.0	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Silver	< 0.2	0.2	mg/Kg-dry	1	11/21/2009 1:45:00 AM
Zinc	72.4	0.5	mg/Kg-dry	1	11/21/2009 1:45:00 AM
TOTAL METALS		EPA 74	73		Analyst: GAL
Mercury	< 0.010	0.010	mg/Kg-dry	1	11/18/2009
TCLP EXTRACTION		EPA 13	11		Analyst: GAK
Extraction Fluid Used	1.0	0		1	11/19/2009
Final pH	12	1.0		1	11/19/2009
Initial pH	11	1.0		1	11/19/2009
pH with water	11	1.0		1	11/19/2009
TCLP, non-volatile	NA	0		1	11/19/2009
TCLP METALS		EPA 74	70		Analyst: JAS
Mercury	< 0.0004	0.0004	mg/L	2	11/24/2009 11:17:00 AM
TCLP METALS		EPA 60	10		Analyst: JEK
Aluminum	< 0.100	0.100	mg/L	1	11/24/2009 4:26:00 PM
Arsenic	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM
Barium	0.655	0.300	mg/L	1	11/24/2009 4:26:00 PM
Cadmium	< 0.002	0.002	mg/L	1	11/24/2009 4:26:00 PM
Chromium	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM
Copper	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM
Lead	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM
Manganese	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM
Selenium	< 0.020	0.020	mg/L	1	11/24/2009 4:26:00 PM
Silver	< 0.005	0.005	mg/L	1	11/24/2009 4:26:00 PM
Zinc	< 0.010	0.010	mg/L	1	11/24/2009 4:26:00 PM